

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

**1.-36. (Cancelled)**

**37. (Currently Amended)** A data-mirroring method comprising:

obtaining control from an I/O process executing on a host computer, the I/O process processing a first I/O request for writing data to a first device, wherein obtaining control from an I/O process comprises intercepting a call by a first module to a second module;

creating a second I/O request for writing the data to ~~the~~ a second device; and

returning control to the I/O process.

**38. (Previously Presented)** The method of claim 37, further comprising determining that the first device is being mirrored by a second device.

**39. (Previously Presented)** The method of claim 37, wherein obtaining control from an I/O process comprises:

identifying a forward pointer to instructions to be executed by the I/O process in processing the first I/O request; and

causing the forward pointer to point to a front-end detour that includes instructions for creating the second I/O request.

**40. (Currently Amended)** The method of claim 37, further comprising selecting the first module to be [~~wherein obtaining control from an I/O process comprises intercepting a call by~~] an IOSVSSCH module and selecting the second module to be a DDTSIO module.

**41. (Currently Amended)** The method of claim 37, wherein obtaining control from an I/O process comprises:

identifying a forward pointer that points to instructions for executing the second [a DDTSIO] module, and

causing the forward pointer to point to instructions for executing a front-end detour, the front-end detour including instructions for creating the second I/O request.

**42. (Previously Presented)** The method of claim 37, further comprising:

obtaining control from the I/O process after the first I/O request has been made available to a first data storage system managing the first device; and

obtaining information indicative of a status of the first I/O request.

**43. (Previously Presented)** The method of claim 37, further comprising:

identifying a return pointer to a module that is intended to receive information indicative of a status of the first I/O request; and

causing the return pointer to point to a back-end detour, the back-end detour including instructions for causing the second I/O request to be provided to a second data storage system managing the second device.

**44. (Currently Amended)** The method of claim 43, wherein identifying a return pointer comprises identifying a pointer to the first [~~an IOSVSSCH~~] module.

**45. (Previously Presented)** A computer-readable medium having encoded thereon software for executing a data-mirroring [~~computer-readable medium~~] method, said software comprising instructions for:

obtaining control from an I/O process executing on a host computer, the I/O process processing a first I/O request for writing data to a first device wherein the instructions for obtaining control from the I/O process comprise instructions for intercepting a call by a first module to a second module;

creating a second I/O request for writing the data to [~~the~~] a second device; and

returning control to the I/O process.

**46. (Previously Presented)** The computer-readable medium of claim 45, wherein the software further comprises instructions for determining that the first device is being mirrored by a second device; and

**47. (Previously Presented)** The computer-readable medium of claim 45, wherein the instructions for obtaining control from an I/O process comprise instructions for:

identifying a forward pointer to instructions to be executed by the I/O process in processing the first I/O request; and

causing the forward pointer to point to a front-end detour that includes instructions for creating the second I/O request.

**48. (Previously Presented)** The computer-readable medium of claim 45, wherein the instructions for obtaining control from an I/O process comprise instructions for selecting the first module to be [~~intercepting a call by~~] an IOSVSSCH module and selecting the second module to be a DDTSIO module.

**49. (Currently Amended)** The computer-readable medium of claim **45**, wherein the instructions for obtaining control from an I/O process comprise instructions for:

identifying a forward pointer that points to instructions for executing the first [a ~~DDTSIO~~] module, and

causing the forward pointer to point to instructions for executing a front-end detour, the front-end detour including instructions for creating the second I/O request.

**50. (Previously Presented)** The computer-readable medium of claim **45**, wherein the software further comprises instructions for instructions for:

obtaining control from the I/O process after the first I/O request has been made available to a first data storage system managing the first device; and

obtaining information indicative of a status of the first I/O request.

**51. (Previously Presented)** The computer-readable medium of claim **45**, wherein the software further comprises instructions for:

identifying a return pointer to a module that is intended to receive information indicative of a status of the first I/O request; and

causing the return pointer to point to a back-end detour, the back-end detour including instructions for causing the second I/O request to be provided to a second data storage system managing the second device.

**52. (Currently Amended)** The computer-readable medium of claim ~~[32]~~**51**, wherein the instructions for identifying a return pointer comprise instructions for identifying a pointer to the first [an ~~IOSVSSCH~~] module.

**53. (New)** A data-mirroring method comprising:

obtaining control from an I/O process executing on a host computer, the I/O process  
processing a first I/O request for writing data to a first device;

creating a second I/O request for writing the data to the second device; and

returning control to the I/O process;

wherein obtaining control from an I/O process comprises:

identifying a forward pointer to instructions to be executed by the I/O process in  
processing the first I/O request; and

causing the forward pointer to point to a front-end detour that includes instructions for  
creating the second I/O request.

**54. (New)** A computer-readable medium having encoded thereon software for executing a  
data-mirroring method, said software comprising instructions for:

obtaining control from an I/O process executing on a host computer, the I/O process  
processing a first I/O request for writing data to a first device;

creating a second I/O request for writing the data to the second device; and

returning control to the I/O process;

wherein, the instructions for obtaining control from an I/O process comprise instructions  
for:

identifying a forward pointer to instructions to be executed by the I/O process in  
processing the first I/O request; and

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causing the forward pointer to point to a front-end detour that includes instructions for  
creating the second I/O request.